

**EAST Search History****EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	"20020172370"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/05/21 16:02
S1	102	(("5343539") or ("4812899") or ("5440596") or ("5502772") or ("5778073") or ("6009235") or ("6041407") or ("6088507") or ("6122356") or ("4980912") or ("5241526") or ("5247396") or ("5343554") or ("5349451") or ("5351226") or ("5373376") or ("5434991") or ("5574565") or ("5651099") or ("5717674") or ("5732403") or ("5737289") or ("5744799") or ("5838377") or ("5984514") or ("6067400") or ("6100994") or ("6181871") or ("6249643") or ("4429334") or ("4485397") or ("4521876") or ("4627058") or ("4759066") or ("4821253") or ("4864436") or ("4866776") or ("4872171") or ("4875115") or ("4897877") or ("4947272") or ("4965662") or ("4977469") or ("5017490") or ("5231506") or ("5239428") or ("5341441") or ("5418663") or ("5450120") or ("5500679")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/02/20 16:56
S2	14	(("20010038702") or ("7027600") or ("6195435") or ("6078669") or ("5946400") or ("5598478") or ("5684881")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/02/20 17:03
S3	3	((4,060,850)).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/02/20 17:30
S4	235918	saito.inv.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/02/21 09:23
S5	3	saito.inv. and ((381/92).ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/02/21 09:24
S6	190	saito.inv. and ((381"/\$).ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/02/21 09:24
S7	21	ise.inv. and ((381"/\$).ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/02/21 09:36
S8	5	((REMY) near2 (BRUNO)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/21 11:10

S9	7	((ARNAUD) near2 (LABORIE).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/21 11:18
S10	5	("20010029049"   "4060850"   "5216640"   "6201872"   "6216540").PN. OR ("7212956").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/21 11:20
S11	1	"7394,904".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/21 12:04
S12	4050	((381/17,18,19,56,307,61,63,98).ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/02/23 14:11
S13	4	sound same \$4speaker\$1 same field same microphone\$1 same (predeterm\$4 or threshold \$1) same parameter\$1 same position\$1 same three same dimension\$1 same direction\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/02/23 14:17
S14	234	sound same \$4speaker\$1 same field same microphone\$1 same (predeterm\$4 or threshold \$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/02/23 14:17
S15	492	parameter\$1 same position\$1 same three same dimension\$1 same direction\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/02/23 14:18
S16	4	S14 and S15	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/02/23 14:18
S17	21	S12 and S14 and @ay<="2003"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/02/23 14:19
S18	0	S12 and S15 and @ay<="2003"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/02/23 14:54
S19	98	(("4876252") or ("5420032") or ("4619941") or ("4623716") or ("4788195") or ("4626538") or ("4797814") or ("4941088") or ("4528132") or ("4597900") or ("4604237") or ("4605514") or ("4610981") or ("4622386") or ("4632978") or ("4764589") or ("4767765") or ("4824936") or ("4900838") or ("5343204") or ("5581688") or ("5852439") or ("4518081") or ("4606856") or ("4764591") or ("4804742") or ("4950666") or ("5200914") or ("5613091") or ("5640210") or ("5859930") or ("6075898") or ("4345875") or ("4466516") or ("4548975") or ("4782064") or ("4820804") or ("4903713") or ("4907175") or ("5008618") or ("5267349") or ("5343539") or ("5433789") or ("5604697") or ("5660913") or ("5777927") or ("5805224") or ("5966341") or ("6202099") or ("6236615")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/10/30 12:23
S20	7	((ARNAUD) near2 (LABORIE).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/30 12:34

S21	10	(("20010038702"   "5598478"   "5684881"   "5946400"   "6078669"   "6154549"   "6195435"   "6259795"   "7027600").PN. OR ("7394904").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/30 12:36
S22	33	("4121058"   "4524451"   "4525855"   "4532647"   "4807217"   "5043970"   "5181249"   "5216718"   "5222059"   "5339363"   "5341430"   "5371799"   "5386082"   "5406634"   "5487113"   "5500900"   "5521981"   "5524054"   "5579396").PN. OR ("6154549").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/30 12:40
S23	5195	determin\$3 same (spatial or (three adj2 dimension)) same matrix same direct\$4 (audio or sund) same parameter\$3 same channel	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/10/30 12:50
S24	5457	determin\$3 same (spatial or (3D)) same matrix same direct\$4 (audio or sund) same parameter \$3 same channel	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/10/30 12:52
S25	4	determin\$3 same (spatial or (3D)) same matrix same direct\$4 same (audio or sund) same parameter\$3 same channel\$1	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/10/30 12:53
S26	6	determin\$3 same (spatial or (3D)) same matrix same(audio or sund) same parameter\$3 same channel\$1	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/10/30 12:55
S27	5524	determin\$3 same (spatial or (three adj2 dimension\$1)or 3D) same matrix same direct \$4 (audio or sund) same parameter\$3 same channel	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/10/30 14:01
S28	4	determin\$3 same (spatial or (three adj2 dimension\$1)or 3D) same matrix same direct \$4 same(audio or sund) same parameter\$3 same channel	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/10/30 14:02
S29	4746	determin\$3 same (spatial or (three adj2 dimension\$1)or 3D) same matrix	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/10/30 14:03
S30	30	matrix same direct\$4 same(audio or sund) same parameter\$3 same channel	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/10/30 14:03
S31	5	S29 and S30	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/10/30 14:04
S32	3	S29 and (("381"/61,63).ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/30 14:05
S33	1	S30 and (("381"/61,63).ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/30 14:05

S34	5292	determin\$3 same (spatial\$4 or (three adj2 dimension\$1)or 3D) same matrix	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/10/30 14:08
S35	4	S34 and (("381"/61,63).ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/30 14:09
S36	62	S34 and (("381"/\$).ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/30 14:09
S37	8032	determin\$3 same (spatial\$4 or (three adj2 dimension\$2)or 3D) same matrix	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/10/30 14:38
S38	4	S37 and (("381"/61,63).ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/30 14:39
S39	2	("6154549").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/10/30 16:07
S40	33	("4121058"   "4524451"   "4525855"   "4532647"   "4807217"   "5043970"   "5181249"   "5216718"   "5222059"   "5339363"   "5341430"   "5371799"   "5386082"   "5406634"   "5487113"   "5500900"   "5521981"   "5524054"   "5579396").PN. OR ("6154549").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/30 16:08
S41	98	((("4876252") or ("5420032") or ("4619941") or ("4623716") or ("4788195") or ("4626538") or ("4797814") or ("4941088") or ("4528132") or ("4597900") or ("4604237") or ("4605514") or ("4610981") or ("4622386") or ("4632978") or ("4764589") or ("4767765") or ("4824936") or ("4900838") or ("5343204") or ("5581688") or ("5852439") or ("4518081") or ("4606856") or ("4764591") or ("4804742") or ("4950666") or ("5200914") or ("5613091") or ("5640210") or ("5859930") or ("6075898") or ("4345875") or ("4466516") or ("4548975") or ("4782064") or ("4820804") or ("4903713") or ("4907175") or ("5008618") or ("5267349") or ("5343539") or ("5433789") or ("5604697") or ("5660913") or ("5777927") or ("5805224") or ("5966341") or ("6202099") or ("6236615")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/10/31 09:08
S42	3641	computer or CPU same (spatial\$4 or (three adj2 dimension\$2)or 3D) same matrix	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/10/31 10:06
S43	54	computer or CPU same (spatial\$4 or (three adj2 dimension\$2)or 3D) same matrix same \$4speaker\$1	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/10/31 10:07

S44	7	( "4393270"   "4856064"   "5023913"   "5260920"   "5521981"   "5666425" ).PN. OR ( "6366679" ).URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/31 10:13
S45	9	( "4759070"   "5173944"   "5260920"   "5825894"   "6067360"   "6366679"   "6381333"   "6498852"   "6845163" ).PN. OR ( "7340062" ).URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/31 10:16
S46	73	( computer or CPU ) same ( spatial\$4 or ( three adj2 dimension\$2 ) or 3D or Spher\$4 or azimuth ) same ( matrix or equation ) same \$4 speaker\$1	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/10/31 11:03
S47	2	( "5857026" ).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/10/31 11:11
S48	13	( "3632886"   "3746792"   "3959590"   "4891839" ).PN. OR ( "5857026" ).URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/31 11:11
S49	39	( computer or CPU ) same ( spatial\$4 or ( three adj2 dimension\$2 ) or 3D or Spher\$4 or azimuth ) same ( matrix or equation ) same parameter\$1 same channel\$1	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2009/10/31 11:23
S50	2	( "5757927" ).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/10/31 11:52
S51	18	( "3997725"   "4081606"   "4086433"   "4151369"   "4414430"   "4704728" ).PN. OR ( "5757927" ).URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/31 11:53
S52	2	( "6154549" ).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/10/31 14:28
S53	7	( ARNAUD ) near2 ( LABORIE ).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/31 15:51
S54	2	( "7167566" ).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/09/21 17:37
S55	7	( "4349698"   "4893342"   "4910779"   "4975954"   "5034983"   "5136651"   "5333200" ).PN. OR ( "7167566" ).URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/21 17:37
S56	43	( "4418243"   "4968154"   "5027403"   "5109416"   "5113447"   "5197100" ).PN. OR ( "5333200" ).URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/21 17:42
S57	3	( "4060850" ).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/09/22 14:25
S58	19	( "3770949"   "3809876"   "3900721"   "3903406"   "3926367"   "3965343"   "4010360" ).PN. OR ( "4060850" ).URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/22 14:25
S59	16	5757927	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/22 14:28

S60	16	"5757927"	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2010/09/22 14:28
S61	19	("3997725"   "4081606"   "4086433"   "4151369"   "4414430"   "4704728").PN. OR ("5757927").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/22 14:30
S62	21	("3784746"   "3830978"   "3856992"   "3883692"   "3885101"   "3887770"   "3892918").PN. OR ("3997725").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/22 14:31
S63	44	"5333200"	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2010/09/22 14:34
S64	1	"5757927".pn. and delay	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2010/09/22 16:43
S65	101	(( "4876252" ) or ( "5420032" ) or ( "4619941" ) or ( "4623716" ) or ( "4788195" ) or ( "4626538" ) or ( "4797814" ) or ( "4941088" ) or ( "4528132" ) or ( "4597900" ) or ( "4604237" ) or ( "4605514" ) or ( "4610981" ) or ( "4622386" ) or ( "4632978" ) or ( "4764589" ) or ( "4767765" ) or ( "4824936" ) or ( "4900838" ) or ( "5343204" ) or ( "5581688" ) or ( "5852439" ) or ( "4518081" ) or ( "4606856" ) or ( "4764591" ) or ( "4804742" ) or ( "4950666" ) or ( "5200914" ) or ( "5613091" ) or ( "5640210" ) or ( "5859930" ) or ( "6075898" ) or ( "4345875" ) or ( "4466516" ) or ( "4548975" ) or ( "4782064" ) or ( "4820804" ) or ( "4903713" ) or ( "4907175" ) or ( "5008618" ) or ( "5267349" ) or ( "5343539" ) or ( "5433789" ) or ( "5604697" ) or ( "5660913" ) or ( "5777927" ) or ( "5805224" ) or ( "5966341" ) or ( "6202099" ) or ( "6236615" )).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/09/23 09:20
S66	4497	((381/17,18,19,56,307,61,63,98).ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/09/23 09:22
S67	284	sound same \$4speaker\$1 same field same microphone\$1 same (predeterm\$4 or threshold \$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/09/23 09:22
S68	21	S66 and S67 and @ay<="2003"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2010/09/23 09:22
S69	561	parameter\$1 same position\$1 same three same dimension\$1 same direction\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/09/23 09:26
S70	0	S66 and S69 and @ay<="2003"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2010/09/23 09:26
S71	9096	determin\$3 same (spatial\$4 or (three adj2 dimension\$2)or 3D) same matrix	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2010/09/23 09:27

S72	81	S71 and (("381"/\$).ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/09/23 09:27
S73	6046	determin\$3 same (spatial\$4 or (three adj2 dimension\$1)or 3D) same matrix	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2010/09/23 09:30
S74	76	S73 and (("381"/\$).ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2010/09/23 09:30
S75	2144	reproduction adj3 direction	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/05/21 14:22
S76	26	((381/17,18,19,56,307,61,63,98).ccls.) and S75	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/05/21 14:23
S77	8	(("20040244568"   "20070053528"   "20090310793"   "5260920"   "5276740"   "5500900"   "5511129"   "6785391").PN. OR ("7881479").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/05/21 14:27
S78	24	reproduction adj3 direction same spatial	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/05/21 14:41
S79	76	(("381"/\$).ccls.) and S75	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/05/21 14:45
S80	20	(("381"/\$).ccls.) and S75 and parameter\$1 and computer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/05/21 14:48
S81	2	((700/94).ccls.) and S75 and parameter\$1 and computer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/05/21 14:55
S82	10	((700/94).ccls.) and S75	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2011/05/21 14:56

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